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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/624,842	07/22/2003	Robert Lance Cook	25791.151	7856
27683	7590	04/20/2005	EXAMINER	
HAYNES AND BOONE, LLP 901 MAIN STREET, SUITE 3100 DALLAS, TX 75202			BOMAR, THOMAS S	
			ART UNIT	PAPER NUMBER
			3672	

DATE MAILED: 04/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/624,842	COOK ET AL.	
	Examiner Shane Bomar	Art Unit 3672	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM
 THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 24 February 2005.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-39, 42-55 and 60-66 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 2, 10-39, 42-49 and 65 is/are allowed.
- 6) Claim(s) 1, 3-9, 50-55, 60-64 and 66 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 22 July 2003 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>8/4/04, 1/26/05</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION***Specification***

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 3, 8, 9, 54, 55, 64, and 66 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over US patent 4,836,579 to Wester et al.

Regarding claims 1, 3, 64, and 66, Wester et al disclose a wellhead, or an apparatus, comprising an outer casing 18 at least partially positioned within a wellbore, and a plurality of inner casings 14 and 16 indirectly coupled to the interior surface of the outer casing 18 by hanger assemblies 10 and 12, wherein adjacent inner casings define an annulus therebetween (see Fig. 1).

- 1). It is noted that the instant claims involve a product (a plurality of inner casings coupled to the

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interior surface of an outer casing) by process (expanding each of the inner casings into contact with a portion of the interior surface of the casing). In such cases, it is the stance of the Office that the product itself does not depend on the process of making it. The claimed wellhead, or apparatus, appears to be essentially the same as the prior reference material, since both have a plurality of inner casings coupled to the interior surface of an outer casing. Regardless of whether the inner casings are expanded into contact with the outer casing, as in the claim, or placed into contact with the outer casing via casing hangers, as in the prior art reference, the product itself appears to be the same.

Regarding claims 8 and 54, one or more seals 24 and 26 are positioned in the interface between the inner casings and the outer casing (see Fig. 1 and col. 2, lines 48-52).

Regarding claims 9 and 55, the inner casings are supported by their contact with the outer casing (see Fig. 1).

5. Claims 1, 3, 8, 9, 54, 55, 60-64, and 66 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over US patent 4,595,063 to Jennings et al.

Regarding claims 1, 3, 64, and 66, Jennings et al disclose a wellhead, or an apparatus, comprising an outer casing 38 at least partially positioned within a wellbore, and a plurality of inner casings 26 and 28 indirectly coupled to the interior surface of the outer casing 38 by hanger assemblies 20 and 22, wherein adjacent inner casings define an annulus therebetween (see Fig. 1). It is noted that the instant claims involve a product (a plurality of inner casings coupled to the interior surface of an outer casing) by process (expanding each of the inner casings into contact with a portion of the interior surface of the casing). In such cases, it is the stance of the Office

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that the product itself does not depend on the process of making it. The claimed wellhead, or apparatus, appears to be essentially the same as the prior reference material, since both have a plurality of inner casings coupled to the interior surface of an outer casing. Regardless of whether the inner casings are expanded into contact with the outer casing, as in the claim, or placed into contact with the outer casing via casing hangers, as in the prior art reference, the product itself appears to be the same.

Regarding claims 8 and 54, one or more seals 70 are positioned in the interface between the inner casings and the outer casing (see Fig. 1 and col. 3, lines 7-9).

Regarding claims 9 and 55, the inner casings are supported by their contact with the outer casing (see Fig. 1).

Regarding claim 60, Jennings et al disclose a wellhead comprising an outer casing 38 at least partially positioned within a wellbore, and a plurality of inner casings 26 and 28 indirectly coupled to the interior surface of the outer casing 38 by hanger assemblies 20 and 22, wherein adjacent inner casings define an annulus therebetween, and wherein each inner casing comprises: a first tubular portion 20 or 22 supported by indirect contact pressure between an outer surface of the first tubular portion and the inner surface of the outer casing (see Figs. 1 and 2), and a second tubular portion 26 or 28 extending from and coupled to the first portion that is spaced apart from the outer casing in a radial direction (see Fig. 1). Again, as noted above with respect to claims 1, 3, 64, and 66, this is a product by process claim and the product itself does not depend on the process of making it.

Regarding claims 61-63, the first tubular portions are spaced apart in a longitudinal direction and/or the second tubular portions are spaced apart in a radial direction (see Fig. 1).

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6. Claims 1, 3, 8, 9, 54, 55, 60-64, and 66 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over US patent 4,550,782 to Lawson.

Regarding claims 1, 3, 64, and 66, Lawson discloses a wellhead, or an apparatus, comprising an outer casing 16/14 at least partially positioned within a wellbore, and a plurality of inner casings 32, 34, and 36 indirectly coupled to the interior surface of the outer casing 16/14 by hanger assemblies 18, 20, and 22, wherein adjacent inner casings define an annulus therebetween (see Fig. 1). It is noted that the instant claims involve a product (a plurality of inner casings coupled to the interior surface of an outer casing) by process (expanding each of the inner casings into contact with a portion of the interior surface of the casing). In such cases, it is the stance of the Office that the product itself does not depend on the process of making it. The claimed wellhead, or apparatus, appears to be essentially the same as the prior reference material, since both have a plurality of inner casings coupled to the interior surface of an outer casing. Regardless of whether the inner casings are expanded into contact with the outer casing, as in the claim, or placed into contact with the outer casing via casing hangers, as in the prior art reference, the product itself appears to be the same.

Regarding claims 8 and 54, one or more seals 244 are positioned in the interface between the inner casings and the outer casing (see Fig. 1 and col. 7, lines 34-35).

Regarding claims 9 and 55, the inner casings are supported by their contact with the outer casing (see Fig. 1).

Regarding claim 60, Jennings et al disclose a wellhead comprising an outer casing 16/14 at least partially positioned within a wellbore, and a plurality of inner casings 32, 34, and 36 indirectly coupled to the interior surface of the outer casing 16/14 by hanger assemblies 18, 20,

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and 22, wherein adjacent inner casings define an annulus therebetween, and wherein each inner casing comprises: a first tubular portion 18, 20, or 22 supported by contact pressure between an outer surface of the first tubular portion and the inner surface of the outer casing (see Figs. 1 and 7), and a second tubular portion 32, 34, or 36 extending from and coupled to the first portion that is spaced apart from the outer casing in a radial direction (see Fig. 1). Again, as noted above with respect to claims 1, 3, 64, and 66, this is a product by process claim and the product itself does not depend on the process of making it.

Regarding claims 61-63, the first tubular portions are spaced apart in a longitudinal direction and/or the second tubular portions are spaced apart in a radial direction (see Fig. 1).

Claim Rejections - 35 USC § 103

7. Claims 4-7 and 50-53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wester et al, Jennings et al, or Lawson as applied to claims 1 and 3 above in view of US patent 6,354,373 to Vercaemer et al.

Regarding claims 4 and 50, Wester et al, Jennings et al, or Lawson teach the wellhead or apparatus of claims 1 or 3 that includes inner casings. It is not taught that extruding the inner casings off of a mandrel expands the inner casings.

Vercaemer et al teach an inner casing 29 coupled to an outer casing similar to that of the aforementioned prior art references (see Fig. 5 and col. 5, lines 5-8). It is further taught that the inner casing 29 is extruded off of a mandrel 36 to expand the casing (see Fig. 5). It would have been obvious to one of ordinary skill in the art, having the teachings of the three previous references and Vercaemer et al before him at the time the invention was made, to modify the

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wellhead or apparatus taught by the three previous references to include the expandable casing and expansion mandrel of Vercaemer et al. One would have been motivated to make such a combination since Vercaemer et al have shown it to be notoriously known in the art to expand casings with a mandrel and because it was also notoriously known in the art, at the time the invention was made, that expanding a tubular within a wellbore or casing eliminates the need for conventional slips or other hanging means, thereby simplifying and reducing the costs of the casing operation.

The combination applied to claims 4 and 50 above also applies to claims 5 and 51, wherein the inner casings are only claimed as being expanded. This is because, again, these are product by process claims and the product itself does not depend on the process of making it. Therefore, the combination of one of the three prior references and Vercaemer et al would produce a wellhead or apparatus with inner casings that are expanded. Furthermore, the limitations of claims 6, 7, 52, and 53 are limitations of the process and do not add anything to the product itself, therefore these claims only require what is required of claims 5 and 51.

Allowable Subject Matter

8. Claims 2, 10-39, 42-49, and 65 are allowed.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Reimert teaches another wellhead of interest.

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10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shane Bomar whose telephone number is 571-272-7026. The examiner can normally be reached on Monday - Thursday from 7:00am to 4:30pm. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bagnell can be reached on 571-272-6999. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



David J. Bagnell
Supervisory Patent Examiner
Art Unit 3672

tsb 
April 14, 2005